

PROJECT NUMBER: 1333  
PROJECT TITLE: Semiworks Process Control  
PROJECT LEADER: D. A. Phan  
PERIOD COVERED: February, 1988

- A. **Objective:** Evaluate and revise the process control and data acquisition system to improve processing performance and production quality.

B. **Results:**

Bright Top Casing Flavor System Upgrade (Oliver) - Provox configuration for the second bright casing control system was complete. Instrumentation has also been received. Installation is planned to be completed by March 30.

Adt Dryer Control Improvements (Sims) - A special data logging and retrieval system will be designed to obtain accurate process data for all production runs through the dryer and to aid process analysis. System design is planned to begin on March 21 and be complete by April 15.

Tobacco Lot Analysis (Phan/Sims) - Assistance has been provided to PM Engineering to startup the TLA dryer and conditioner system at the QA Audit facility.

Semiworks Primary Computer Upgrade (Oliver/Sims) - Significant progress has been made to bring up both the host and backup computers on the Fisher Provox data highway. Application software is being modified and tested in the new system environment.

Semiworks Cigarette Defect Database (Sims) - A database was created in an IBM-PC for critical cigarette defects. Software has also been written to computerize the Semiworks make/pack QA monthly report.

Quality Assurance (Rowsey) - A purchase order was issued for an IMPS pack seal instrument to establish baseline performance for all Semiworks packers.

A Hauni Proscan rod analyzer was upgraded with improved software. Its operation has been reviewed with Hauni engineers. This instrument will be studied by Engineering Development before it is returned for use in Semiworks make/pack area.

- C. **Plans:** Continue the work on the primary backup computer upgrade project. Complete the installation and checkout the second bright top casing flavor control system. Begin the design of a special data logging and retrieval system to support the Adt dryer improvement project. Continue to provide electrical plant engineering support to the Semiworks and conduct routine QA functions.

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